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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/809,976	03/26/2004	Richard I. Brass	13768.783.28	7908
47973 7590 05/21/2007 WORKMAN NYDEGGER/MICROSOFT 1000 EAGLE GATE TOWER 60 EAST SOUTH TEMPLE SALT LAKE CITY, UT 84111			EXAMINER SAMS, MATTHEW C	
			ART UNIT 2617	PAPER NUMBER
			MAIL DATE 05/21/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/809,976	Applicant(s) BRASS ET AL.	
	Examiner Matthew C. Sams	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 February 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5,9-24,28-38 and 41-46 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5,9-24,28-38, 41, 43, 44, and 46 is/are rejected.
- 7) ☒ Claim(s) 42 and 45 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/23/2007 has been entered.

Response to Amendment

2. Claims 41-46 have been added.
3. Claims 6-8, 25-27 and 39-40 have been canceled.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1, 3, 9-20, 22, 28-38, 41, 43, 44 and 46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Simonds et al. (US 2004/0093155 hereinafter, Simonds) in view of Treyz et al. (US-6,526,335 hereinafter, Treyz).

Regarding claim 1, Simonds teaches a system for handling phone services, comprising:

a computing device (Fig. 2 [30]) without an attached audio input and output device, the computing device comprising:

at least one standalone operating state; (Page 3 [0038-0039])

a telecommunications interface for coupling to a mobile phone network (Page 4 [0041], Figs. 2 & 8 [46], Fig. 10 [174] and Page 9 [0074]), the telecommunications interface operable to receive data from the mobile phone network; (Page 4 [0041-0042] *i.e.* weather, traffic) and

a computer without a telecommunications interface for coupling to a mobile phone network (Fig. 2 [51]), the computer having a network interface for coupling with the ignition switch interface of the computing device to receive data from the mobile phone network via the telecommunications interface at the computing device. (Page 12 [0100] through Page 13 [0104]) Simonds differs from the claimed invention by not explicitly reciting the computing device has an ignition switch interface configured to connect to the ignition switch of an automobile.

In an analogous art, Treyz teaches an automobile personal computer (analogous to computing device) that includes an ignition switch interface configured to connect to the ignition switch of an automobile. (Fig. 17 [356]) At the time the invention was made, it would have been obvious to one of ordinary skill in the art to implement the vehicle computer of Simonds after modifying it to incorporate the engine ignition interface of Treyz. One of ordinary skill in the art would have been motivated to do this

since the interface allows the user to remotely start the vehicle during times of inclement weather.

Regarding claim 3, Simonds in view of Treyz teaches the network interface for coupling with the computing device to receive data from the mobile phone network comprises a network interface for coupling with the computing device to send data to the mobile phone network. (Simonds Fig. 2 [46], Page 4 [0041] "any of the wireless devices may also operate as a host platform to execute applications and communicate data" and Page 12 [0102])

Regarding claim 9, Simonds in view of Treyz teaches the network interface for coupling with the computing device comprises a personal area network interface. (Simonds Fig. 2 [46])

Regarding claim 10, Simonds in view of Treyz teaches the network interface for coupling with the computing device comprises a local area network interface. (Simonds Fig. 2 [46])

Regarding claim 11, Simonds in view of Treyz teaches the network interface for coupling with the computing device comprises a wide area network interface. (Simonds Fig. 2 [46])

Regarding claim 12, Simonds in view of Treyz teaches an audio input/output device external to the computing device (Simonds Fig. 2 [32], Page 1 [0004] and Page 3 [0036]), but differs from the claimed invention by not explicitly reciting the audio input/output device is a headset. However, it would have been obvious to one of ordinary skill in the art to implement the audio input/output device as a headset because

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the close proximity of the microphone to the user's mouth can help eliminate electrical interface noise when positioned close to the engine.

Regarding claim 13, Simonds in view of Treyz teaches an audio input/output device external to the computing device comprises a conference station. (Simonds Fig. 2 [32], Page 1 [0004] and Page 3 [0036])

Regarding claim 14, Simonds in view of Treyz teaches a display coupled to the computing device. (Simonds Fig. 2 [12])

Regarding claim 15, Simonds in view of Treyz teaches the display comprises a notification indicator. (Simonds Fig. 2 [12] and Page 3 [0035])

Regarding claim 16, Simonds in view of Treyz obviously teaches the notification indicator comprises a light. (Simonds Page 3 [0035] and Fig. 1 [Turn Signal Indicators & High Beam])

Regarding claim 17, Simonds in view of Treyz teaches the display uses at least one member of the set comprising visual, audible and tactile representations. (Simonds Page 3 [0035])

Regarding claim 18, Simonds in view of Treyz teaches a button coupled to the computing device for providing input to operating the computing device. (Simonds Page 3 [0035] and Fig. 1)

Regarding claim 19, Simonds in view of Treyz teaches the button comprises an application button dedicated for operating a particular application. (Simonds Fig. 1 and Page 3 [0035])

Regarding claim 20, Simonds in view of Treyz teaches an authentication interface operably coupling an authentication host to the computing device. (Simonds Page 5 [0048] and Page 8 [0071])

Regarding claim 22, the limitations of claim 22 are rejected as being the same reason set forth above in claim 1.

Regarding claims 28-38, the limitations of claims 28-38 are rejected as being the same reasons set forth above in claims 9-19.

Regarding claims 41 and 44, Simonds in view of Treyz teaches the ignition switch interface configured to connect to the ignition switch of an automobile comprises an automobile key. (Treyz Col. 24 lines 16-33)

Regarding claims 43 and 46, Simonds in view of Treyz teaches teaches the ignition switch interface configured to connect to the ignition switch of an automobile facilitates at least one of power being supplied to the computing device, an antenna signal being received by the computing device, and audio being transmitted between the computing device and the computer. (Treyz Col. 23 line 66 through Col. 24 lines 6)

6. Claims 2, 4, 5, 23 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Simonds in view of Treyz as applied to claim 1 above, and further in view of Grace et al. (US 2005/0262146 hereinafter, Grace).

Regarding claim 2, Simonds in view of Treyz teaches the limitations of claim 1 and that audio titles/information may be stored on the key fob and transmitted to the vehicle for customization (Simonds Page 12 [0101-0103], but differs from the claimed invention by not explicitly reciting receiving audio from the mobile phone network.

In an analogous art, Grace teaches a system for wireless synchronization of multimedia content that includes receiving audio from the mobile phone network. (Page 2 [0020-0021]) At the time the invention was made, it would have been obvious to one of ordinary skill in the art to implement the system of Simonds in view of Treyz after modifying it to incorporate the streaming audio of Grace. One of ordinary skill in the art would have been motivated to do this since enables the home entertainment system to be synchronized with the vehicle entertainment system, which is a common goal with inventions. (Grace Page 1 [0006] and Simonds Page 12 [0102])

Regarding claim 4, Simonds in view of Treyz and Grace teaches the network interface for coupling with the computing device to receive audio from the mobile phone network comprises a network interface for coupling with the computing device to send audio to the mobile phone network. (Grace [0006 & 0009])

Regarding claim 5, Simonds in view of Treyz and Grace obviously teaches wherein the telecommunications interface for coupling to a mobile phone network comprises a telecommunications interface for coupling to at least one of a Global System for Mobile Communications network, a Code Division Multiple Access network, a General Packet Radio Services network, or a Global System for Mobile Communications Internet Protocol network. (Grace Page 2 [0020])

Regarding claim 23, the limitations of claim 23 are rejected as being the same reason set forth above in claim 4.

Regarding claim 24, the limitations of claim 24 are rejected as being the same reason set forth above in claim 5.

7. Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Simonds in view of Treyz as applied to claim 20 above, and further in view of Little et al. (US 2004/0172531 hereinafter, Little).

Regarding claim 21, Simonds in view of Treyz teaches an interface that's comprises USB connectivity and smart card functionality for the computing device (Treyz Col. 13 lines 3-11 and 58-66), but differs from the claimed invention by not explicitly reciting the authentication interface comprises USB connectivity and smart card functionality for the computing device.

In an analogous art, Little teaches an authentication interface that uses a smart card or USB device for the authentication interface. (Page 3 [0036]) At the time the invention was made, it would have been obvious to one of ordinary skill in the art to implement the system of Simonds in view of Treyz after modifying it to incorporate the authentication interface of Little. One of ordinary skill in the art would have been motivated to do this since it allows the user to be verified electronically and can also securely protect the user profile information. (Little Page 3 [0035-0036])

Allowable Subject Matter

8. Claims 42 and 45 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion


9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- US-5,499,181 to Smith regarding inputting information into a vehicle.
- US-6,369,717 to Damiani et al. regarding a vehicle user interface.
- US-7,006,914 to Cahoon regarding a automobile ignition system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew C. Sams whose telephone number is (571)272-8099. The examiner can normally be reached on M-F 7:30-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on (571)272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


LESTER G. KINCAID
SUPERVISORY PRIMARY EXAMINER

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